



**Knight Foundation
School of Computing
and Information Sciences**

School of Computing & Information Sciences

Spring 2024 Capstone II Project

DemoED

Student: Franklin Neves Filho

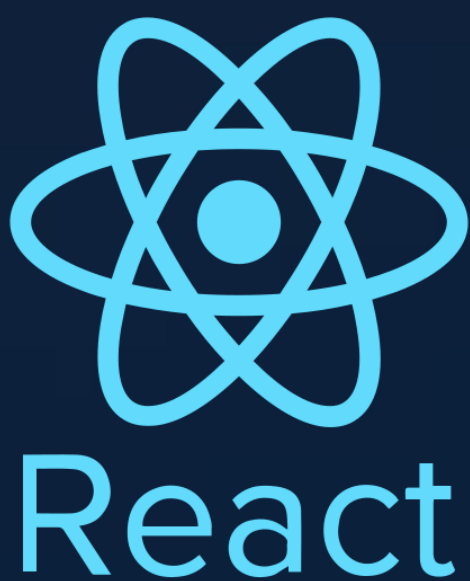
Product Owner: Dr. Sat Gavassa

Instructor/Faculty: Dr. Masoud Sadjadi, Florida International University

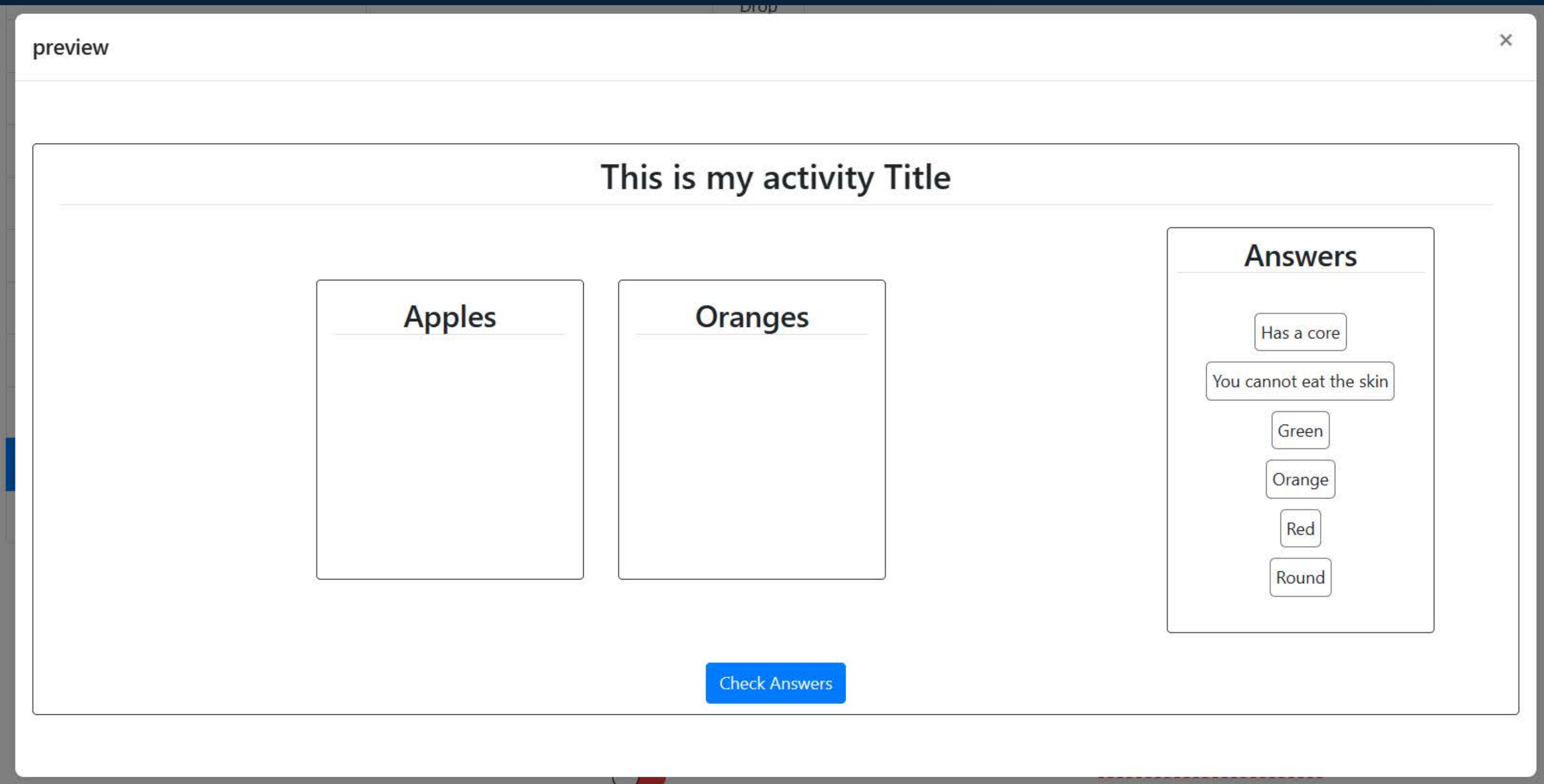
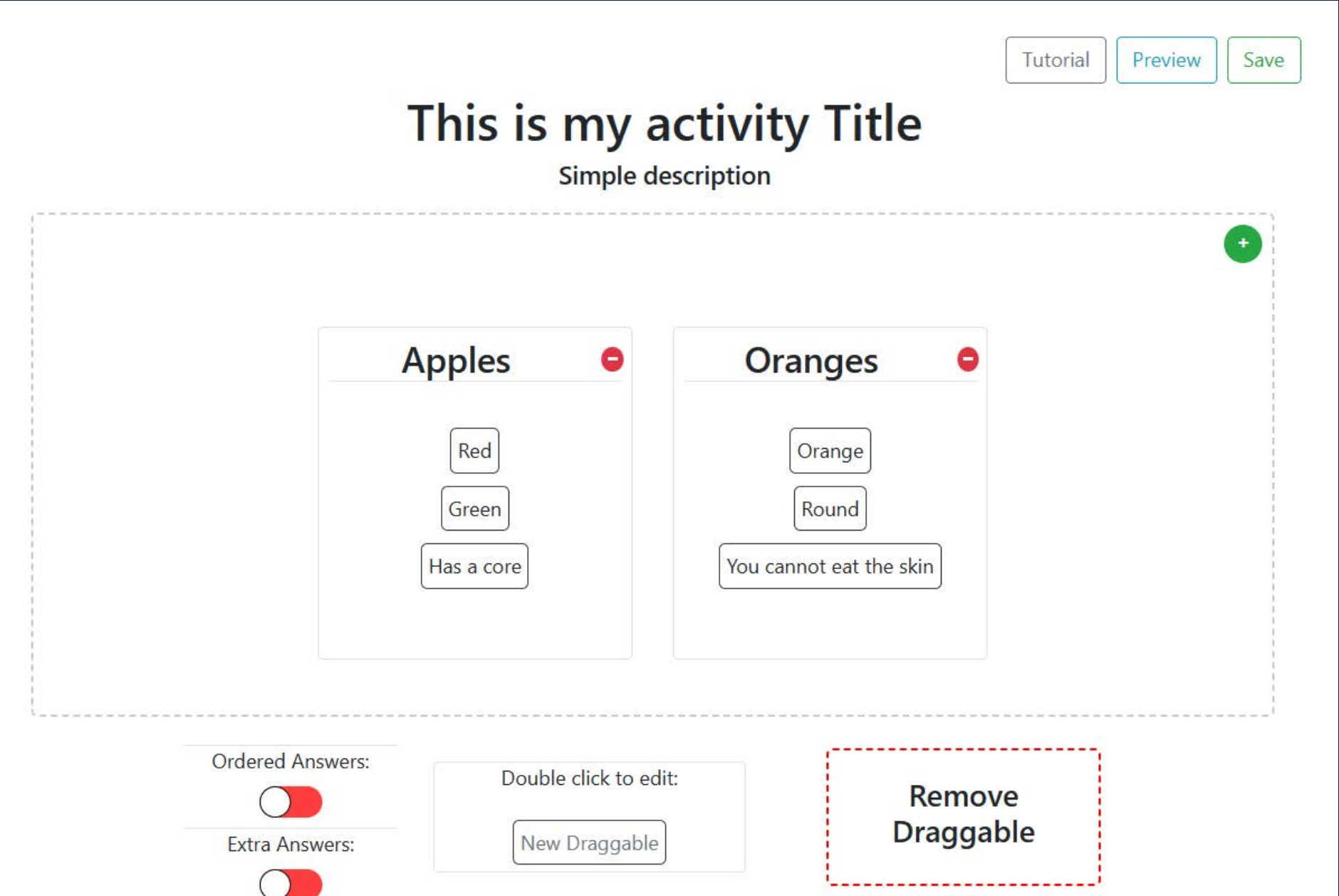
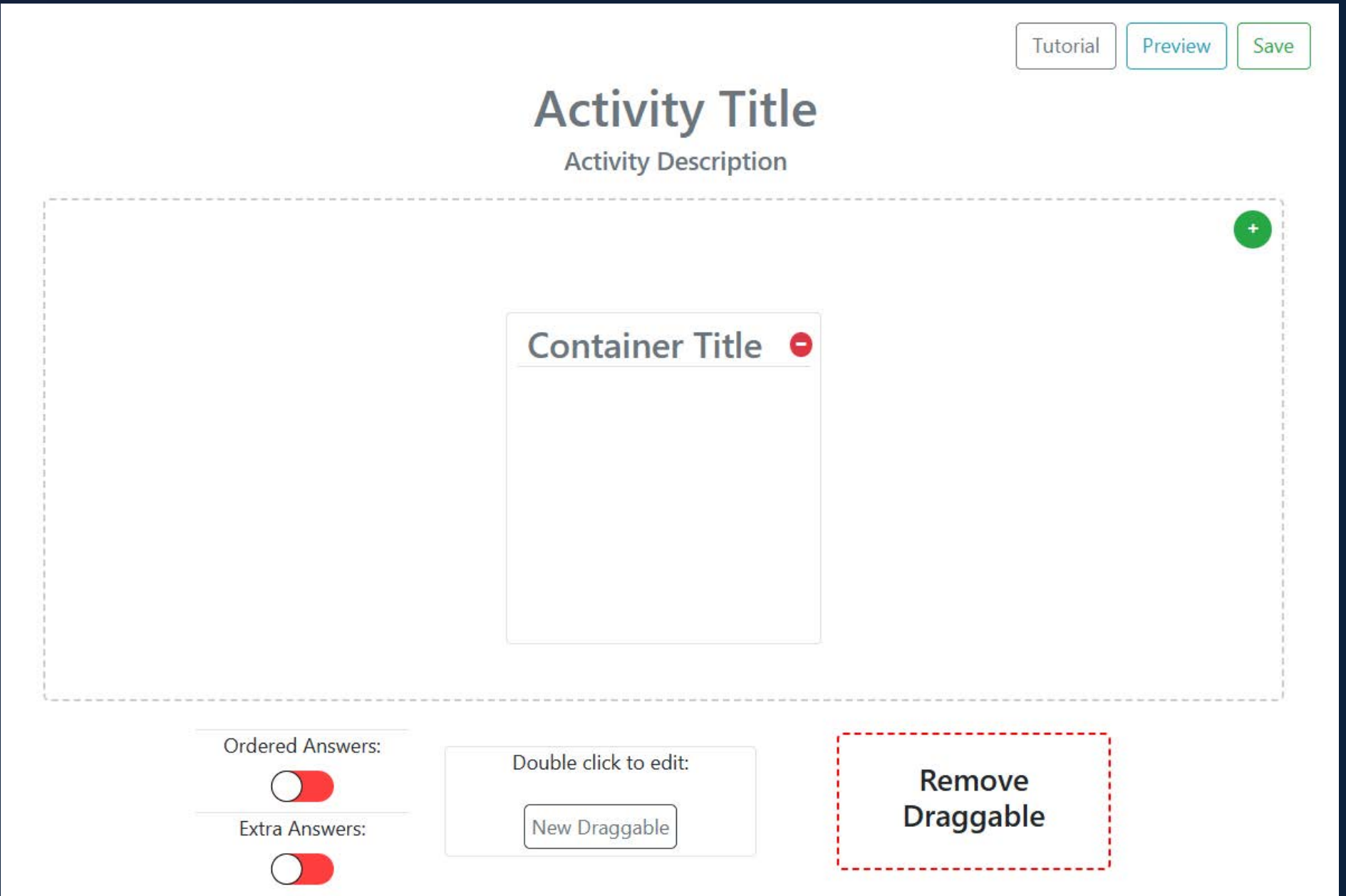
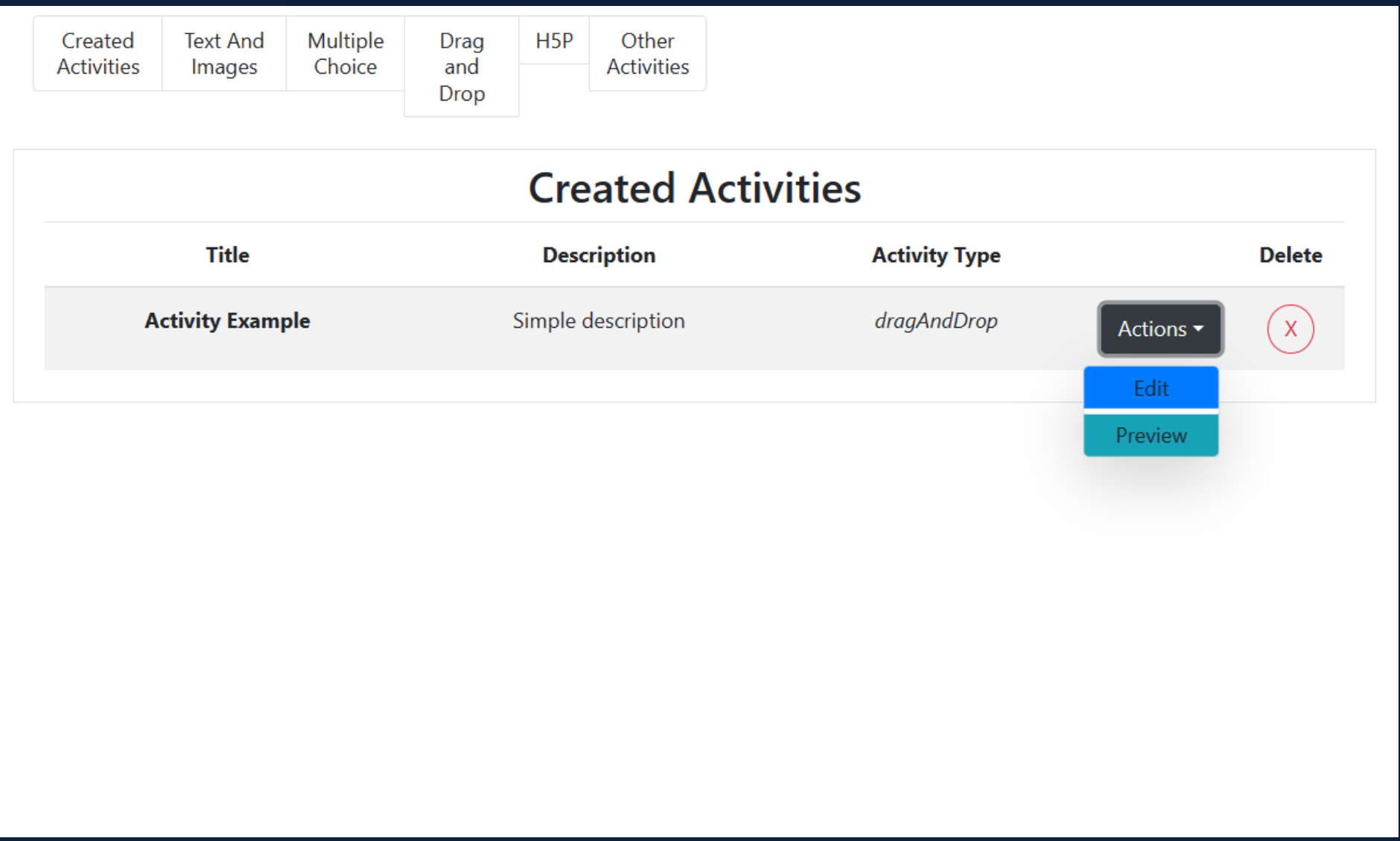
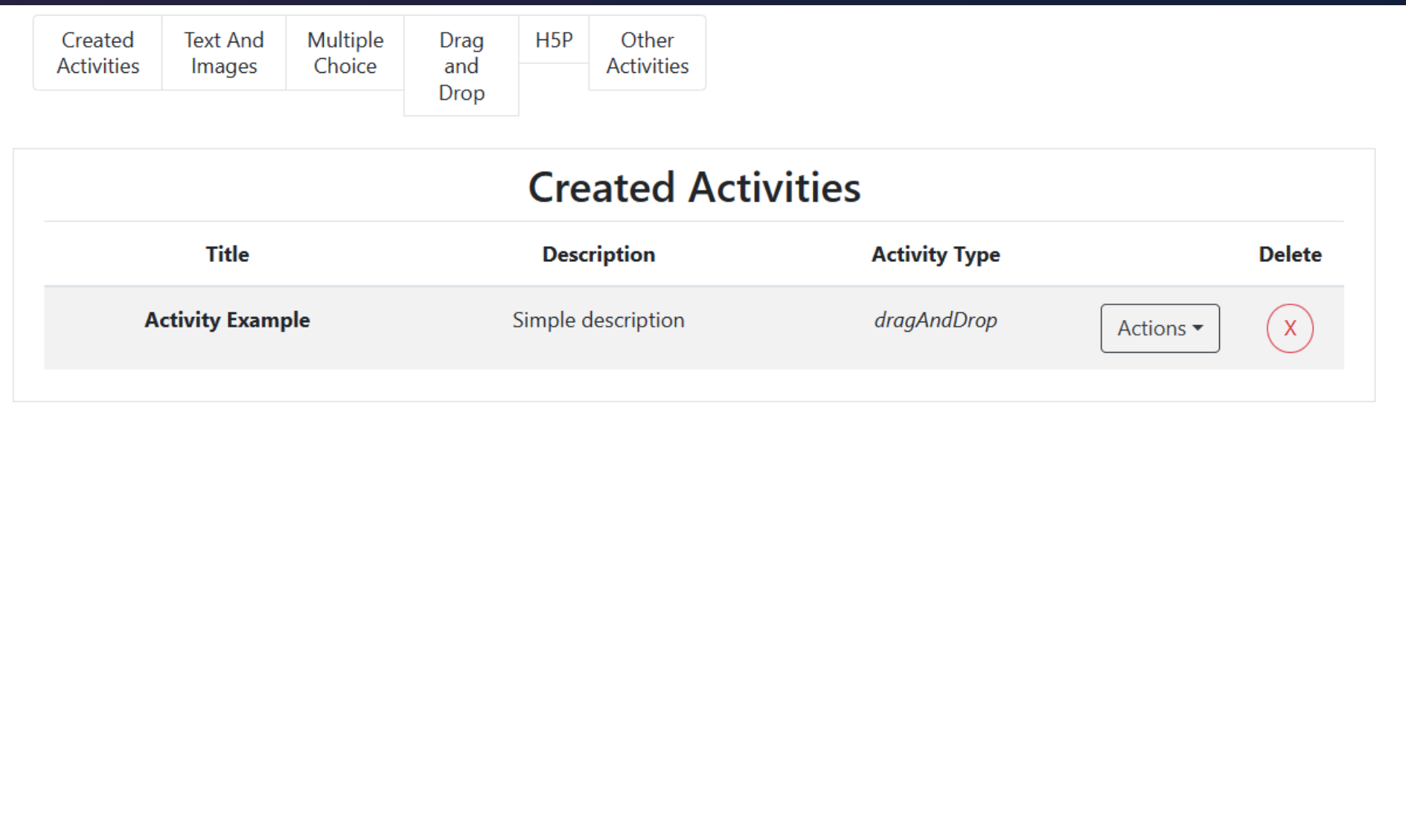
PROBLEM

DemoEd is a practical website designed for Biology teachers to assign extra practice for their students using a variety of activities. However, teachers require a comprehensive platform to assign tailored activities to students, enhancing engagement and learning outcomes. The existing website lacks the functionality for educators to create custom activities, limiting their ability to cater to diverse classroom needs and effectively integrate interactive learning into their curriculum

TECHNOLOGIES USED



APP DESIGN



IMPLEMENTATION

- Designed a modern structure for all current and future activities.
 - A model was designed so that any activity as long as it has a title and a description, can be added using the predefined endpoints
- Created an interactive / intuitive screen for instructors to create a Drag and Drop activity
- Created an all activities screen which the user is able to see all their created activities, and preview them.
- Generated necessary documentation for other custom activities.

SUMMARY

The project initially suffered from a lack of documentation, causing delays in the development process. However, as a team, we guided the product owner towards better design decisions, facilitating smoother implementation. My contribution included designing multiple universal components to establish a standard for future endeavors. While the current project is unfinished, the comprehensive documentation I provided will serve as a valuable resource for future developers, offering insights into the existing codebase and our implementations.



**Engineering
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ACKNOWLEDGEMENT

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